

Application Date : June 2, 1934. No. 16511/34.

Complete Specification Accepted : Feb. 27, 1935.



COMPLETE SPECIFICATION.

Improvements in Intestinal Irrigating Device

I, THOMAS DAIN ALLEN, a citizen of the United States of America, of 693 Fifth Avenue, City and State of New York, United States of America, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

10 The present invention relates to irrigating devices of the type used for irrigating the lower intestinal passages.

It is an object of the present invention to provide a device of the above character which facilitates the successive irrigating operations through a colon tube, the mechanism being conveniently operated by the user and utilized in connection with a water bag or other reservoir suspended at a suitable height and supplying its fluid to the device through a flexible tube. The specific source of pressure, of course, forms no part of the present invention.

25 An apparatus of the same general type as the invention is shown by U.S. Patent numbered 1,918,681. As compared with this earlier apparatus, however, the invention is more easily manufactured, is of sanitary construction permitting it to be readily cleaned and is not liable to derangement in use.

30 The invention accordingly consists in an irrigating device of the above type comprising a frame adapted to be supported on a toilet bowl, a plate carried by the frame and having an opening communicating with the colon tube, a valve member slidably supported on the lower side of the said plate and having an interior channel comprising a vertical portion and a horizontal portion, a yielding water-tight washer on the upper face of the valve member surrounding the vertical portion of the channel, a water pipe secured to the valve member in communication with the horizontal portion of the channel and having a finger piece secured to the pipe at a point beyond the end of the frame whereby the valve member can be reciprocated into and out of line with the colon tube to control selectively the flow of water thereto and the discharge of water therethrough into the bowl.

[Price 1/-]

Price 4s 6d

The nature and advantages of the invention will be apparent from the following description in connection with the accompanying drawings, wherein:

Fig. 1 is a view in perspective showing an irrigating device constructed in accordance with the present invention. 60

Fig. 2 is a fragmentary view partly in side elevation and partly in section showing the colon tube in place and the valve in position to connect the tube with the water supply, the section being taken on the line 2-2 of Fig. 1 and looking in the direction of the arrows. 65

Fig. 3 is a fragmentary view partly in side elevation and partly in section of the parts shown in Fig. 2 with the colon tube omitted and the valve retracted to disconnect the water supply and open the colon tube for discharge. 70

Figure 4 is a fragmentary view in transverse section taken on the plane indicated by the line 4-4 of Figure 2 and looking in the direction of the arrows. 75

As shown in Figure 1 the frame of the device is formed of spaced members *a* which may be tubular in cross section and continuous, sleeves *b* of rubber or the like being mounted adjacent the ends of the legs of the frame to rest on the edge of the toilet bowl and support the seat yieldingly thereby protecting the frame from injury. At the mid-section of the frame *a* is secured by welding the valve mechanism. This comprises a plate *c* which carries an upwardly extending tubular flange *c'* with which may be engaged removably a colon tube *d* of rubber or the like. The plate *c* has downwardly extending flanges *c''* along its opposite side edges and within these flanges are formed opposed ways *c'''* in which is mounted slidably a valve block *e*. At the end of the plate *c* is a transversely extending stop *c''''* by which movement of the valve block *e* is limited in one direction. The movement of the valve block in the other direction may be stopped by a thumb screw *f* which can be backed out to permit the engagement of the valve block with the ways *c'''* or its removal therefrom. The valve block *e* has horizontally extending flanges *e'* along its opposite parallel edges which engage within the ways *c'''* for sliding movement of the valve. A water tight 110

Fig. 1

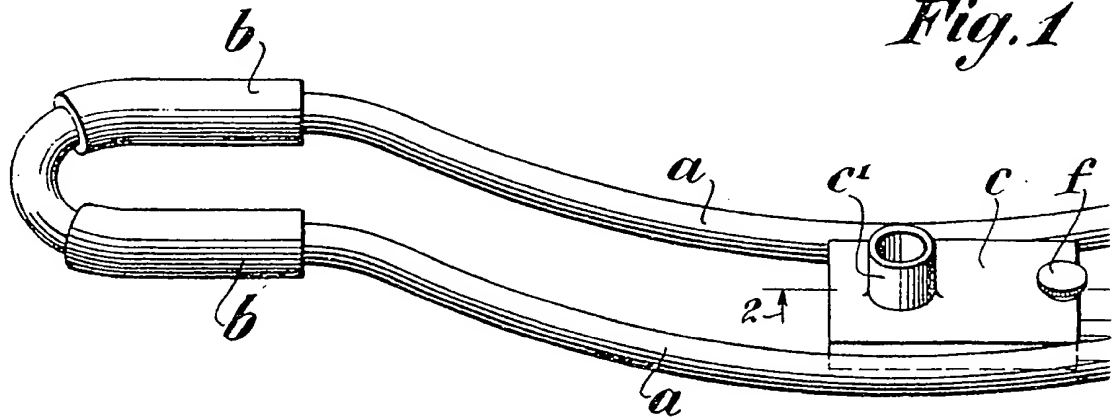
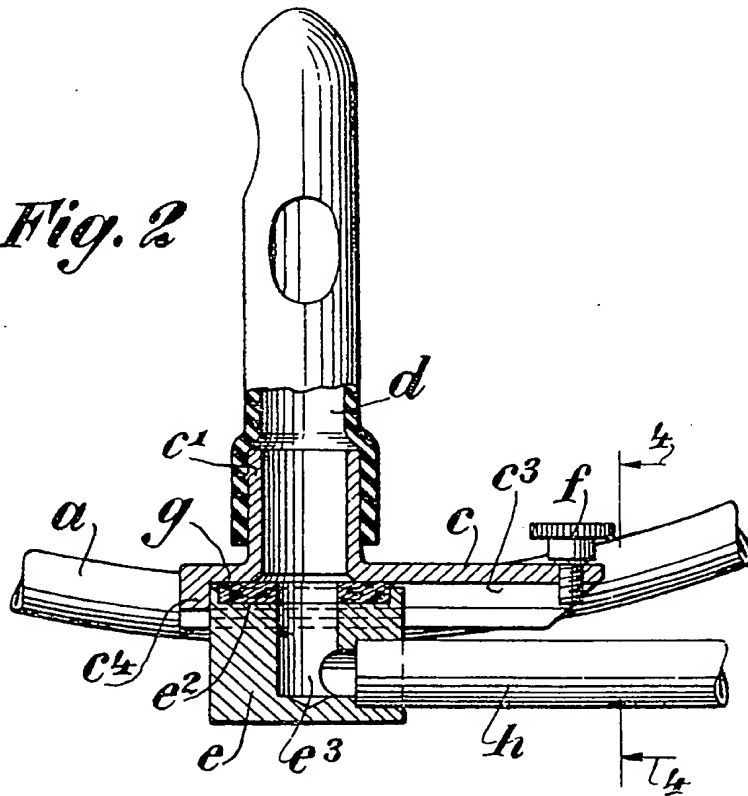


Fig. 2



[This Drawing is a full-size reproduction of the Original.]

Fig. 1

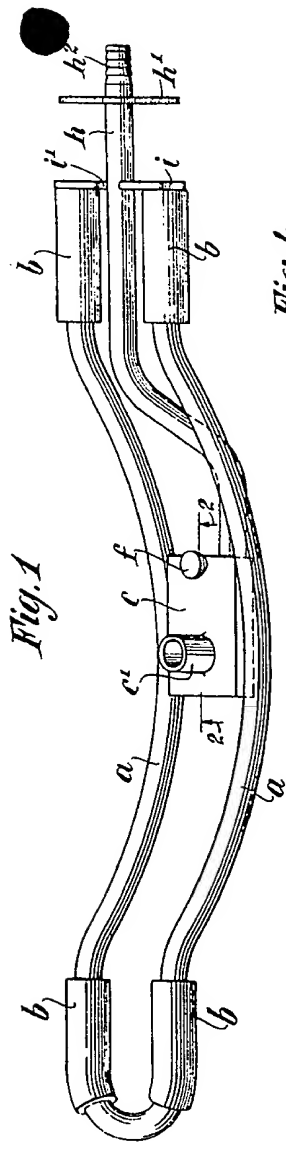


Fig. 2

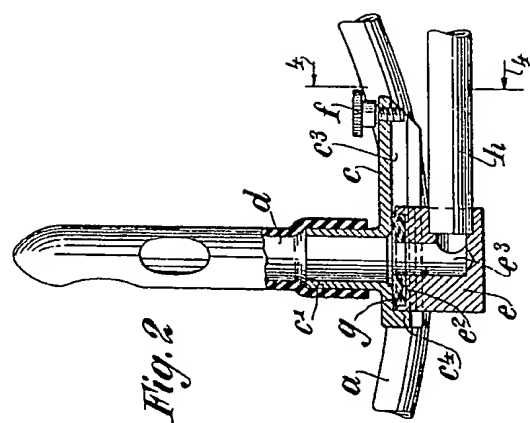
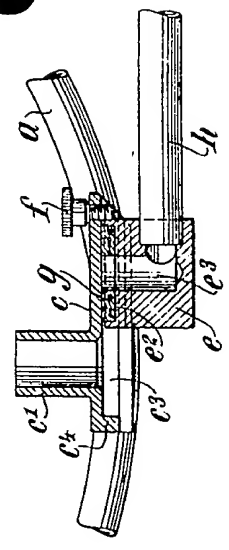


Fig. 3



[This Drawing is a full-size reproduction of the Original.]